

**cobas<sup>®</sup>**

*Life needs answers*

## **cobas<sup>®</sup> b 101 system**

*Improve management of diabetes and dyslipidaemia with the HbA<sub>1c</sub> & Lipid monitoring PoCT system*



## The cobas b 101 system

The cobas b 101 includes tests for glycated haemoglobin (HbA<sub>1c</sub>) and lipids on the same device, thereby addressing a diagnostic need at Point of Care.

### Main benefits

#### Ease of use and convenience:

- On the spot results in just 5 simple steps
- Light and compact giving you the convenience of portability between clinics
- Direct sample application onto a disc from a finger prick of capillary or venous whole blood for easy sample collection
- Fast turnaround time – an intuitive 15 minute workflow from patient preparation to result of both HbA<sub>1c</sub> and lipid panel
- Colour touch screen with a user friendly interface that has the same look and feel of other Roche Point of Care devices
- Increased convenience as both colour coded test discs can be stored at room temperature



#### Workflow efficiency:

- Patient data storage with 5,000 patient results, 500 QC results, and 50 Operator IDs
- Automatic calibration on each disc
- Samples and discs are checked for integrity and all steps of the process are controlled
- QC menu features configurable test intervals and target ranges for reliable quality results
- IT connectivity solutions with cobas IT 1000 and printer option
- No service required



## Dual testing

*HbA<sub>1c</sub> and lipids; from patient preparation to the display of both results in one 15 minute workflow*

### HbA<sub>1c</sub> test

- Precision is fully compliant to the IFCC and NGSP guideline requirements <sup>1</sup>
- Requires 2 µL drop of blood
- HbA<sub>1c</sub> test results in 5 mins
- HbA<sub>1c</sub> in percentage (%) plus mmol/mol
- Disc can be stored at room temperature (2-30°C)



### Lipid panel test

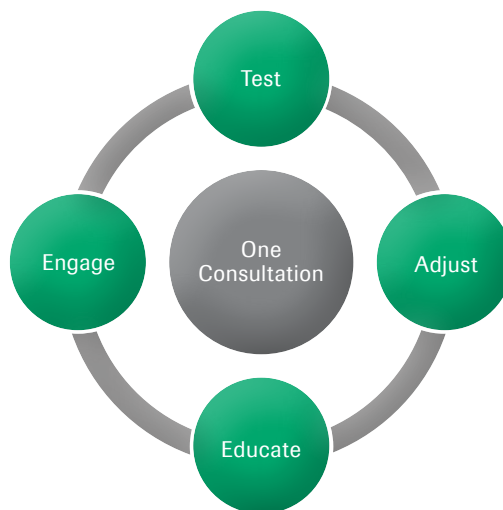
- Precision is fully compliant to the NCEP guideline requirements <sup>2</sup>
- Requires 19 µL drop of blood
- Lipid testing can be done with whole blood, plasma or serum
- Lipid test results in 6 mins; including TC, HDL, TG, LDL, non-HDL and TC/HDL ratio
- Disc can be stored at room temperature (2-30°C)

Discs are colour-coded and clearly labeled to ensure correct use

### Test Menu for Diabetes Management and CVD Risk Assessment

	Measuring Range
<b>HbA<sub>1c</sub></b>	4.0 – 14.0% (NGSP) 20 – 130 mmol/mol (IFCC)
<b>Total Cholesterol</b>	1.28 – 12.95 mmol/L
<b>Triglycerides</b>	0.50 – 7.35 mmol/L
<b>HDL</b>	0.38 – 2.60 mmol/L
<b>LDL</b>	Calculated
<b>Non-HDL</b>	Calculated
<b>CHOL/HDL</b>	Calculated

## The Power of Point of Care Testing



### References

1. [www.ifcc.org](http://www.ifcc.org) (accessed Feb 2013)
2. NIH; NCEP Third Report, The National Heart, Lung and Blood Institute.

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